

**Pharmacy Reengineering (PRE)  
Inbound ePrescribing (IEP)  
Clearing House Transaction Services  
Electronic Prescriptions (eRx) Warranty 4.1  
VistA Patch # PSO\*7.0\*635**

**Release Notes**



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**Department of Veterans Affairs  
Office of Information and Technology (OI&T)**

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# 1. Introduction

The Pharmacy Reengineering (PRE) Inbound ePrescribing (IEP) Warranty defect remediation addresses a longstanding need for the Department of Veterans Affairs (VA) to continue to be able to receive and process prescriptions from external providers.

In order to improve on its ability to deliver Veterans their medications as quickly and efficiently as possible, the Veterans Health Administration (VHA), Patient Care Services (PCS), Pharmacy Benefits Management (PBM) requested a new capability as part of the PRE program to receive inbound electronic prescriptions (eRx) from an external provider (e.g., a doctor not associated with the VA, medical staff at a Department of Defense [DoD] military treatment facility, etc.).

The Pharmacy Re-engineering (PRE) Inbound ePrescribing component provides the ability to receive inbound electronic prescriptions (e-prescriptions from an external provider (e.g. a doctor not associated with VA; medical staff at a Department of Defense military and treatment facilities; etc.) with the ability to process, fill and dispense them in the Veterans Health Information Systems & Technology Architecture (VistA), and VA Electronic Health Records Modernization (EHRM) (Cerner Millennium), Outpatient Pharmacy (OP) modules.

The primary users of this functionality will include VA Pharmacists and VA Pharmacy Technicians/Assistants. The secondary users of this functionality include VA Pharmacy Managers, VA Pharmacy Benefits Management Personnel, Non-VA Providers (submit inbound requests to VA and review inbound notifications and requests), and External Pharmacy personnel (receive and transmit transfer prescriptions from VA pharmacies.)

In April 2018 the Centers for Medicare and Medicaid Services (CMS) adopted a final rule in the Federal Register to update Medicare Advantage (MA) and the prescription drug benefit program (Part D), per CMS-4182-P. As part of this new rule, it called for an update to the electronic prescribing standards used by the prescribers, pharmacies, their software vendors, and Medicare Part D prescription drug plans who serve Medicare beneficiaries.

As part of this new rule, the National Council for Prescription Drug Programs (NCPDP) SCRIPT Standard Version 2017071 will retire the current NCPDP SCRIPT Version 10.6 as the official electronic prescribing standard for transmitting prescriptions and prescription-related information using electronic media for covered Part D drugs and Part D eligible individuals. Originally slated for January 1, 2019, CMS delayed the implementation SCRIPT 2017071 until January 1, 2020. While the regulatory effective date is January 1, 2020, the previous version of SCRIPT 10.6 has been extended so as to sunset on September 1, 2021, at which point in time the VA must be in conformance or they will lose the ability to receive inbound e-prescriptions.

Veterans' Health Administration (VHA), Patient Care Services (PCS), Pharmacy Benefits Management (PBM) and OI&T require Clearing House services and support of PRE Inbound ePrescribing products.

The modifications to the Veterans Health Information Systems & Technology Architecture (VistA) Outpatient Pharmacy (OP) 7.0 application for Inbound ePrescribing are being released to Pre-Production for User Acceptance Testing (UAT) under the patch module as Patch # PSO\*7.0\*635.

Additionally, complementing the release of the Vista patch PSO\*7.0\*635 is the release of an updated IEP Web-based application Inbound ERX v4.1.

## 1.1 PRE IEP Clearing House Transaction Services Warranty Period

PRE IEP Clearing House Transaction Services provides connectivity for inbound prescription electronic transactions and transfer transactions for the electronic prescriptions (eRx) software. It provides a certified and secure transaction service and ensures the ePrescribing software maintains certification with Health Care Clearing House Services and is compliant for National Council for Prescription Drug Programs (NCPDP) transactions NewRx, RxRenewal, CancelRx and RxChange.

PRE IEP Clearing House Transaction Services Warranty Period eRx version 4.1 and PSO\*7.0\*635 will include defect remediation for the following:

- ERROR: Element 'Extension': [facet 'pattern'] The value " is not accepted by the pattern '[0-9]+(\.[0-9]+)?'. ERROR: Element 'Extension': " is not a valid value of the atomic type 'n1..8'
- ERROR: Element 'Name': Missing child element(s). Expected is ( FirstName )
- ERROR: Element 'CountryCode': This element is not expected. Expected is ( AddressLine1 )
- ERROR: Element 'ElectronicMail': [facet 'pattern'] The value " is not accepted by the pattern '([!~][ ])\*[!~]([!~][ ])\*'. ERROR: Element 'ElectronicMail': " is not a valid value of the atomic type 'MailAddressType'
- ERROR: Element 'Number': [facet 'pattern'] The value 'NONE' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'
- ERROR: Element 'Number': [facet 'pattern'] The value 'otprovided' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'
- ERROR: Element 'Value': [facet 'pattern'] The value '180.' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'
- #Accepted by Pharmacy counts for Summary Report NewRx Only does not match OB Data in SQL
- Update Data Dictionary - File #52.45
- NewRx coming with ObservationDateTime failure at hub generating RxRenewal Request
- RxRenewal Request failing at hub because "IndicationForUse" segment is not sending in "Sig" segment
- Quantity Unit of Measure fix for RxRenewal Request Medication Dispensed segment for 2017071 Messages
- Quantity Unit of Measure fix for RxRenewal Request Medication Dispensed segment for 10.6 messages
- ACR codes in file 52.45 has extra space
- The sig is coming from doctor, getting a hard error when generating a RxRnewal Request
- Information, structure, and relationships conveyed through presentation cannot be understood
- Text or images of text have a contrast ratio less than 4.5:1
- Functionality of content is not operable through a keyboard interface

- Pages do not have a title that describes its topic or purpose
- Focusable components in the content do not receive focus in an order that preserves meaning and operability
- Changing the setting of user interface components automatically causes a change of context without advising the user of this behavior
- When errors are automatically detected, an error message is not described to the user in text
- An error message was provided, but it does not describe how to correct the error
- Content is not properly encoded and causes assistive technology to convey incorrect information
- The name, role, state or value of user interface elements in the product cannot be understood (programmatically determined)
- Software disrupts platform features that are defined in the platform documentation as accessibility features
- When NewRx message is coming with the multiple "OtherMedicationDate" Inbound job broke at hub, messages are not delivering to Vista
- eRx Sig gets truncated in HQ summary details screen, PSO ERX DRUG VALIDATION summary details screen and OP header section when the eRx is coming with the Sig without spaces
- The SIG field in the PRESCRIPTION section is not wrapping text correctly for all message types (1,000 characters, no spaces)
- Vista refills not displaying correct refills for Replace RxRenewalResponse message.
- Extend the logic from 365 days to 1and half year for messages related to display at hub (Track/Audit page)
- A backlog of messages is queueing up and waiting for outbound delivery to CH during peak hours
- Two issues with the Reports Page - Columns are missing in the last three reports, NewRx counts not showing for Summary New Rx Only
- The Report totals at the bottom of the tables do not align with the correct column
- Reports Number of Records not being displayed at the bottom of all reports and column width for Message Type in Track/Audit not wide enough
- RxRenewalResponse messages Vista Refills decrementing every time editing the refills.

## **2. PRE IEP Clearing House Transaction Services Defect Remediation**

This section provides a brief description of the updates made to Vista patch PSO\*7.0\*635 and IEP Hub/Web v4.1 for the NCPDP 2017071 Standards Upgrade Warranty period defect remediation.

More detailed information on the Vista functionality can be found in the application user and technical manuals found on the Outpatient Pharmacy (OP) VA Software Documentation Library (VDL) repository at the following link:

<https://www.va.gov/vdl/application.asp?appid=90>

## 2.1 PRE IEP Clearing House Transaction Services eRx Vista PSO\*7.0\*635

The PRE IEP Clearing House Transaction Services eRx Vista PSO\*7.0\*635 defect remediation in this Warranty period release includes:

EPRESCRIB-3407	Update Data Dictionary - File #52.45
EPRESCRIB-3408	NewRx coming with ObservationDateTime failure at hub generating RxRenewalRequest
EPRESCRIB-3410	RxRenewalRequest failing at hub because "IndicationForUse" segment is not sending in "Sig" segment
EPRESCRIB-3413	Quantity Unit of Measure fix for RxRenwal Request Medication Dispensed segment for 2017071 Messages
EPRESCRIB-3415	ACR codes in file 52.45 has extra space
EPRESCRIB-3419	The sig is coming from doctor, getting a hard error when generating a RxRnewal Request
EPRESCRIB-3439	When NewRx message is coming with the multiple "OtherMedicationDate" Inbound job broke at hub, messages are not delivering to Vista
EPRESCRIB-3441	eRx Sig gets truncated in HQ summary details screen, PSO ERX DRUG VALIDATION summary details Screen and OP header section when the eRx is coming with the Sig without spaces
EPRESCRIB-3447	Vista refills not displaying correct refills for Replace RxRenewal Response message
EPRESCRIB-3484	RxRenewal Response messages Vista Refills decrementing every time editing the refills.

## 2.2 PRE IEP Clearing House Transaction Services eRx v4.1 HUB

The PRE IEP Clearing House Transaction Services eRx v4.1 HUB defect remediation in this Warranty period release includes:

EPRESCRIB-3392	ERROR: Element 'Extension': [facet 'pattern'] The value " is not accepted by the pattern '[0-9]+(\.[0-9]+)?'. ERROR: Element 'Extension': " is not a valid value of the atomic type 'n1..8'
EPRESCRIB-3393	ERROR: Element 'Name': Missing child element(s). Expected is ( FirstName )
EPRESCRIB-3394	ERROR: Element 'CountryCode': This element is not expected. Expected is ( AddressLine1 )
EPRESCRIB-3395	ERROR: Element 'ElectronicMail': [facet 'pattern'] The value " is not accepted by the pattern '([!~] [])*[!~]([!~] [])*'. ERROR: Element 'ElectronicMail': " is not a valid value of the atomic type 'MailAddressType'
EPRESCRIB-3396	ERROR: Element 'Number': [facet 'pattern'] The value 'NONE' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'
EPRESCRIB-3397	ERROR: Element 'Number': [facet 'pattern'] The value 'otprovided' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'

EPRESCRIB-3398	ERROR: Element 'Value': [facet 'pattern'] The value '180.' is not accepted by the pattern '[0-9]+(\.[0-9]+)?'.
EPRESCRIB-3406	#Accepted by Pharmacy counts for Summary Report NewRx Only does not match OB Data in SQL
EPRESCRIB-3412	A backlog of messages is queueing up and waiting for outbound delivery to CH during peak hours
EPRESCRIB-3414	Quantity Unit of Measure fix for RxRenwal Request Medication Dispensed segment for 10.6 messages
EPRESCRIB-3421	Extend the logic from 365 days to 1 and half year for messages relation to display at hub (Track/Audit page).
EPRESCRIB-3428	Information, structure, and relationships conveyed through presentation cannot be understood.
EPRESCRIB-3429	Text or images of text have a contrast ratio less than 4.5:1.
EPRESCRIB-3430	Functionality of content is not operable through a keyboard interface
EPRESCRIB-3431	Pages do not have a title that describes its topic or purpose
EPRESCRIB-3432	Focusable components in the content do not receive focus in an order that preserves meaning and operability
EPRESCRIB-3433	Changing the setting of user interface components automatically causes a change of context without advising the user of this behavior
EPRESCRIB-3434	When errors are automatically detected, an error message is not described to the user in text
EPRESCRIB-3435	An error message was provided, but it does not describe how to correct the error
EPRESCRIB-3436	Content is not properly encoded and causes assistive technology to convey incorrect information
EPRESCRIB-3437	The name, role, state or value of user interface elements in the product cannot be understood (programmatically determined)
EPRESCRIB-3438	Software disrupts platform features that are defined in the platform documentation as accessibility features
EPRESCRIB-3443	The SIG field in the PRESCRIPTION section is not wrapping text correctly for all message types (1,000 characters, no spaces).
EPRESCRIB-3457	Two issues with the Reports Page - Columns are missing in the last three reports, NewRx counts not showing for Summary New Rx Only
EPRESCRIB-3471	The Report totals at the bottom of the tables do not align with the correct column
EPRESCRIB-3474	Reports Number of Records not being displayed at the bottom of all reports and column width for Message Type in Track/Audit not wide enough.

### 3. PRE IEP Clearing House Transaction Services ERX v4.1/PSO\*7.0\*635 Known Defects

There are “No Known” open defects for ERX v4.1 and VistA Patch /PSO\*7.0\*635.

## 4. Product Documentation

Documentation describing the new functionality introduced by this patch is available. The preferred method is to retrieve files from [download.vista.med.va.gov](http://download.vista.med.va.gov). This transmits the files from the first available server. Sites may also elect to retrieve files directly from a specific server.

Sites Software and Documentation Retrieval Instructions:

The software for this patch is being released in a PackMan message.

Upon National Release the documentation will be in the form of Adobe Acrobat files.

Documentation will be found on the VA Software Documentation Library at:

<https://www.va.gov/vdl/>

File Name	Title	FTP Mode
pso_7_0_p635_ig.pdf	Installation Guide - Inbound ePrescribing (PSO*7*0*p635)	Binary
pso_7_0_p635_img.pdf	Implementation Guide - Inbound ePrescribing (PSO*7*0*p635)	Binary
pso_7_0_p635_rn.pdf	Release Notes - Inbound ePrescribing (PSO*7*0*p635)	Binary
pso_7_0_p635_tm.pdf	Technical Manual/Security Guide - Outpatient Pharmacy V.7.0	Binary
pso_7_0_P635_um.pdf	User Manual - Inbound ePrescribing (PSO*7*0*p6345)	Binary